

Title (en)

POLYLACTIC ACID RESIN AND COPOLYMER POLYESTER RESIN BLEND, AND MOLDED PRODUCT USING SAME

Title (de)

MISCHUNG AUS EINEM POLYMILCHSÄUREHARZ UND EINEM COPOLYMERPOLYESTERHARZ SOWIE FORMPRODUKT DAMIT

Title (fr)

MÉLANGE DE RÉSINE D'ACIDE POLYLACTIQUE ET DE RÉSINE DE POLYESTER COPOLYMÈRE ET PRODUIT MOULÉ L'UTILISANT

Publication

EP 2781552 B1 20210414 (EN)

Application

EP 12849571 A 20121113

Priority

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- KR 2012009530 W 20121113

Abstract (en)

[origin: EP2781552A1] A blend of polylactic acid resin and copolyester resin, which has excellent impact resistance and heat resistance, and a molded article manufactured using the same are disclosed. The blend of polylactic acid resin and copolyester resin, comprises 5 to 94 wt% of a polylactic acid resin; 3 to 92 wt% of a copolyester resin comprising a dicarboxylic acid component, which contains a terephthalic acid residue, and a diol component which contains 3 to 99 mol% of a cyclohexanedimethanol residue and 1 to 60 mol% of an isosorbide residue; and 3-30 wt% of a compatibilizer containing at least one reactive functional group selected from the group consisting of glycidyl, maleic anhydride, epoxy, isocyanate, amino, carboxylic acid and oxazoline groups, and mixtures thereof.

IPC 8 full level

C08L 67/04 (2006.01); **C08G 63/183** (2006.01); **C08J 5/00** (2006.01); **C08L 67/02** (2006.01)

CPC (source: EP KR US)

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Cited by

CN109564298A; FR3054551A1; WO2018024995A1; FR3054804A1; CN109562543A; JP2019524946A; WO2018020193A1

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